
**NEW RECORD OF *TANYTARSUS*
(*SUBLETTEA*) *COFFMANI* (DIPTERA:
CHIRONOMIDAE) FROM NORTH CAROLINA¹**

Thomas J. Wilda²

ABSTRACT: The midge *Tanytarsus (Sublettea) coffmani* Roback 1975 is reported from North Carolina for the first time. Measurements of pupal structures are given which are generally lower than those reported in the species description.

Three pupal exuviae of *Tanytarsus (Sublettea) coffmani* Roback 1975 were collected from a small unnamed tributary of the West Fork of the Rocky River in Iredell County, located in the southern Piedmont of North Carolina. These collections, taken in October 1978, represent the first actual record of the taxon in North Carolina. The specimens reported in Roback's (1975) species description as having been collected near Salem, North Carolina, were actually collected near Salem, Oconee County, South Carolina.

Ranges of measurements taken from the three pupal exuviae are presented in Table 1. The majority of these measurements are lower than those reported by Roback (1975). The long clear filament described by Roback (1975) as mesad of the anal combs was obvious on only one specimen. The specimens were deposited in Duke Power Company's Macroinvertebrate Reference Collection.

¹Received March 6, 1982

²Duke Power Company, Environmental Services Section, Route 4, Box 531, Huntersville, NC 28078

Table 1. Measurements of pupal structures from this study and from Roback's (1975) species description. The numbers in parentheses indicate the number of specimens from this study on which the structures could be measured. Roback (1975) gave several measurements of pupal characters which are not presented here.

Pupal Structure Measured	Roback 1975	This Study
Overall length	2.4 mm	2.0-2.2 mm (3)
Respiratory organ		
Overall length	300-350 μm	252-280 μm (2)
Dimensions of Base	167-204 μm long 22 μm wide	99-120 μm long (2) 18 μm wide (1)
Length of longest apical filament	148-167 μm	130-180 μm (2)
Length of shortest apical filament	about 78 μm	67-72 μm (2)
Paired ovoid spine patches at apex of sternite VIII		
Dimensions	26 x 13 μm	15 x 8 μm to 25 x 12 μm (3)
Number of spinules in each patch	about 48	20 to 35 (3)
Distance between patches	0.11 - 0.23 segmental width	0.4 segmental width
Dark spurs on lateral comb of anal fin		
Number	4 - 7	4 - 6 (3)
Length	about 6 μm	about 6 μm (3)
Number of longer filaments on lateral comb of anal fins	3 - 5	2 - 4 (3)

LITERATURE CITED

- Roback, S.S. 1975. A new subgenus and species of the genus *Tanytarsus* (Chironomidae: Chironominae: Tanytarsini). Proc. Acad. Nat. Sci. Philadelphia. 127(10):71-80.